

## **Curriculum Vitae**

***Robert William Erdely***  
*Pennsylvania State Police (retired)*

### **Certifications**

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2009 Access Data Certified Forensic Examiner  
2009 Certified at the Federal Law Enforcement Training Center, Seized Computer Evidence Recovery Specialist  
2007 Certified Forensic Computer Examiner, International Association of Investigative Specialists  
2004 Certified Cisco Internetwork Professional  
2004 Certified Information Systems Security (INFOSEC) Professional.  
2004 Certified Cisco Security Professional.  
2004 Certified by ISC2 as a Certified Information Systems Security Professional (CISSP®)  
2003 CompTIA A+ Certified Professional.  
2003 Certified a Microsoft Database Administrator  
2003 Certified as a Microsoft Systems Engineer for Windows 2003  
2003 Certified as a Microsoft Systems Engineer: Security  
2003 CompTIA i-Net+ Certified Professional.  
2003 CompTIA Network+ Certified Professional.  
2003 Certified Cisco Design Professional.  
2002 EnCase Certified Examiner  
2001 Cisco Certified Network Professional.  
2001 Certified as a Microsoft Systems Engineer for Windows 2000  
1999 Certified as an Electronic Evidence Collection Specialist, International Association of Computer Investigative Specialists

### **Professional Activities**

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2010-Present Member of Interpol's Technical Working Group which is currently working with Law Enforcement and Universities to develop tools to investigate the exploitation of children on the internet.  
2010-Present Instructor for both the International Centre for Missing and Exploited Children and Fox Valley Technical College  
2009-Present Developed a system to investigate the sharing of child pornography on the internet.. This information is used by law enforcement in over 60 countries to locate, investigate and prosecute these child predators. This system has resulted in the initiation of more than 15,000 investigations and rescuing countless child victims.  
2007-Present Instructor for the Internet Crimes Against Children (ICAC). Instruct online Investigations, including Peer-to-Peer file sharing networks.

### **Experience**

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2012-Present Detective with the Indiana County District Attorney's Office, Indiana County Pennsylvania. Assigned to investigate child exploitation investigations. I am currently assigned to the FBI Innocent Images Task Force, Pittsburgh, Pennsylvania.  
2008-2012 Supervisor for the Pennsylvania State Police (PSP) Computer Crime Unit, Harrisburg, PA. Supervised both the investigative and digital forensic sections of the PSP.

2003-2008 Supervisor of the Southwest Computer Crime Task Force comprised of State and Local Law Enforcement.

1998-2003 Assigned to Bureau of Criminal Investigations, Computer Crime Unit. Responsible for all aspects of proactive and reactive investigations, including evidence duplication, documentation and examination, regarding criminal activities utilizing technology to facilitate the illegal activities.

1997-2007 Senior Computer Network Administrator for an Internet Service Provider, providing service to over 3000 users

1999-2004 Instructor for the Pennsylvania Chiefs of Police Association for Federal, State and Municipal Police Officers along with representatives of the Attorney General and the District Attorneys regarding computer forensic examination processes and procedures and the online investigation of computer crime.

January 2003 Speaker at the Middle Atlantic-Great Lakes Organized Crime Law Enforcement Network's (MAGLOCLN) Internet Investigation training Conference.

October 2001 Speaker at the Pennsylvania District Attorneys Institute's Computer Crimes Training course.

1994-1998 Assigned to PSP Vice Unit, Troop A

1992-1994 Assigned to Patrol Unit, PSP, Indiana, PA.

## Education and Training

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1989 Community College of the Air Force

1990 Edinboro University of Pennsylvania

1992 Graduated from the Pennsylvania State Police Academy

1994 Drug Investigators Course

1995 Narcotics in the mail, Interdiction and Clandestine Labs seminar, U.S. Department of Justice

1995 Investigation of Computer Crime, National White Collar Crime Center

1996 Vice Investigations Seminar

1996 Eastern States vice Investigator training Conference

1997 High risk Warrant Service Training

1997 Gambling Device Examination Training

1997 Top Gun, Undercover Drug Law Enforcement Training

1997 Certified to Utilize Electronic Surveillance (Wiretap)

1999 Investigation of Computer Crime, International Association of Chiefs of Police

1999 Investigation of Computer Crime, SEARCH, the National Consortium for Justice Information and Statistics

1999 Unix investigators course at FBI Academy

2001 Guidance Forensic Software Intermediate Course

2001 Guidance Forensic Software Advanced Course

2002 16 hour Windows 2000 Security seminar by Computer Security Institute at FBI Pittsburgh

2002 Fundamentals of Incident Handling course at the CERT Coordination Center (Incident Handling for Computer Emergency Response Teams).

2002 High Technology Crime Investigation Conference

2002 Advanced Data Recovery and Analysis, National White Collar Crime Center

2004 Advanced Solaris Administration Course by FBI

2004 FBI Symposium on Online Child Pornography/Child Exploitation

2005 National White Collar Crime Center's Advanced Data Recovery and Analysis course

2005 Attended NTI Forensic Examination training

2006 Department of Defense Cyber Crime Conference

2006 Sun Educational Service course "Securing Solaris & Network Intrusion Detection"

## **Publications**

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Forensic Investigation of Peer-to-Peer File Sharing Networks.  
DFRWS Annual Digital Forensics Research Conference, August 2010

## **Certified Expert**

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- Certified as a computer expert including online investigations by the United States District Court, Western District of Pennsylvania, in United States vs. Abraham (2006)
- Certified as a computer forensic expert by the United States District Court, Eastern District of Pennsylvania, in United States vs. Schade (2008).
- Certified as a computer expert including online investigations in Middle District of Pennsylvania, United States vs. Doyle. (2011)
- Certified as a computer forensic examiner and in internet investigations in the Eastern District of Pennsylvania, United States vs. Fitzgerald Horton (2013)